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**From:** Hannon, ED (AS) [Edward.Hannon@ngc.com]  
**Sent:** 11/14/2016 6:51:04 PM  
**To:** Garbarini, Doug [Garbarini.Doug@epa.gov]; Mannino, Pietro [Mannino.Pietro@epa.gov]  
**CC:** Harrington, Jim (DEC) [jim.harrington@dec.ny.gov]; Schick, Robert (DEC) [robert.schick@dec.ny.gov]  
**Subject:** RE: Meeting Conflict-Potential Meeting Date December 14?

Doug

For reason beyond Northrop Grumman's control the Town of Oyster Bay Town Board Hearing on the Northrop Grumman RW 20 permit application that was scheduled for Tuesday November 15 has now been rescheduled for Tuesday November 29. This to allow time for Town attorneys to obtain the documents and approvals necessary for the Town to complete an access agreement that will address all the access requirements associated with the overall Northrop Grumman RW 21 Project Area.

We appreciate the EPA, DEC and water districts understanding and efforts required to reschedule our quarterly meeting. As I indicated in a separate email earlier today Northrop Grumman is available to meet on Wednesday December 14, 2016.

Thank You  
Ed Hannon  
Manager ESHM

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**From:** Garbarini, Doug [mailto:Garbarini.Doug@epa.gov]  
**Sent:** Monday, November 14, 2016 9:23 AM  
**To:** Hannon, ED (AS); Frank Koch; Fly, Lora B CIV NAVFAC MIDLANT, IPTNORTH; richard.mach@navy.mil; Bill Merklin; bob schick; McCabe, Catherine; gary loesch (loesch@h2m.com); Jim Harrington; John Reinhart; mboufis@bethpagewater.com; Mike Ryan; mike wolfert; Mannino, Pietro; rumann@h2m.com; Ralph Google Contact; stan carey  
**Cc:** Sadorra, Robert A CIV NAVFAC HQ, EV; Sadorra, Robert A CIV NAVFAC HQ, EV; Hickey, Maureen  
**Subject:** EXT :RE: Meeting Conflict-Potential Meeting Date December 14?

Hi

Regarding the potential meeting date on December 14.

So far all replies have been positive and we have coverage for all stakeholders.

So, we will have the meeting on December 14 at EPA NYC. Start time will likely be at 10am.

We will send out an invite with meeting room, time, agenda and last month's meeting notes later this week.

Thank you all for nailing this date down.

Doug

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**From:** Garbarini, Doug  
**Sent:** Tuesday, November 08, 2016 4:59 PM  
**To:** Hannon, ED (AS) <Edward.Hannon@ngc.com>; Frank Koch <Fkoch@sflower.com>; Fly, Lora B CIV NAVFAC MIDLANT, IPTNORTH <lorafly@navy.mil>; richard.mach@navy.mil; Bill Merklin <bmerklin@db-eng.com>; bob schick <rxschick@gw.dec.state.ny.us>; McCabe, Catherine <McCabe.Catherine@epa.gov>; gary loesch (loesch@h2m.com)

<loesch@h2m.com>; Jim Harrington <jbharrin@gw.dec.state.ny.us>; John Reinhart <johnrei@tohmail.org>; mboufis@bethpagewater.com; Mike Ryan <mjryan@gw.dec.state.ny.us>; mike wolfert <Mike.Wolfert@arcadis.com>; Mannino, Pietro <Mannino.Pietro@epa.gov>; rhumann@h2m.com; Ralph Google Contact <sfwdralph@gmail.com>; stan carey <scarey@massapequawater.com>  
**Cc:** Sadorra, Robert A CIV NAVFAC HQ, EV <robert.sadorra@navy.mil>; Sadorra, Robert A CIV NAVFAC HQ, EV <robert.sadorra@navy.mil>; Hickey, Maureen <Hickey.Maureen@epa.gov>  
**Subject:** Re: Meeting Conflict-Potential Meeting Date December 14?

Hi

We heard back today that DOH would be able to make two of the four dates we had identified as possible meeting dates; December 13th and 20th. Unfortunately, based upon the response from the all of you none of the four dates offered was going to work well for the group.

The state has identified December 14th as another option for a meeting date.

Can you let me know if you can make a meeting in NYC on December 14th that would start around 10 or 10:30?

While you are at it could you also check your calendars for the week of January 9 and the week of January 16 and also let me know what days you would be available during those weeks?

Indications from the group are that it would be best to have a meeting that could have at least one attendee from all stakeholder groups. Hopefully we can firm things up by Thursday.

Thanks again for your patience.

Doug

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**From:** Hannon, ED (AS) <Edward.Hannon@ngc.com>

**Sent:** Monday, November 7, 2016 8:27 AM

**To:** Garbarini, Doug; Frank Koch; Fly, Lora B CIV NAVFAC MIDLANT, IPTNORTH; richard.mach@navy.mil; Bill Merklin; bob schick; McCabe, Catherine; gary loesch (loesch@h2m.com); Jim Harrington; John Reinhart; mboufis@bethpagewater.com; Mike Ryan; mike wolfert; Mannino, Pietro; rhumann@h2m.com; Ralph Google Contact; stan carey

**Cc:** Sadorra, Robert A CIV NAVFAC HQ, EV; Sadorra, Robert A CIV NAVFAC HQ, EV; Hickey, Maureen

**Subject:** RE: Meeting Conflict

Based on previous Town Board Hearing experience this hearing may not end until sometime between 1 & 2PM.

Ed

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**From:** Garbarini, Doug [mailto:Garbarini.Doug@epa.gov]

**Sent:** Monday, November 07, 2016 8:03 AM

**To:** Frank Koch; Fly, Lora B CIV NAVFAC MIDLANT, IPTNORTH; richard.mach@navy.mil; Bill Merklin; bob schick; McCabe,

Catherine; Hannon, ED (AS); gary loesch ([loesch@h2m.com](mailto:loesch@h2m.com)); Jim Harrington; John Reinhart; [mboufis@bethpagewater.com](mailto:mboufis@bethpagewater.com); Mike Ryan; mike wolfert; Mannino, Pietro; [rhumann@h2m.com](mailto:rhumann@h2m.com); Ralph Google Contact; stan carey

**Cc:** Sadorra, Robert A CIV NAVFAC HQ, EV; Sadorra, Robert A CIV NAVFAC HQ, EV; Hickey, Maureen

**Subject:** EXT :Re: Meeting Conflict

Hi Frank

Good suggestion and one we should consider. However, I am not sure that the later start and additional travel time would work for folks at State and Navy if they have evening obligations.

Bob indicated that DOH would get back to him on the four dates in December and other potential December dates that the group can consider.

Bob I will be out of the office today; could you forward an update on DOH availability and any potential additional dates in December to the group, so that folks can check calendars? When the Navy and State weigh in on the new dates perhaps you could indicate whether a later start and a relocation to Long Island on November 15 would work as well.

Thanks

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**From:** Frank Koch <[Fkoch@sfwater.com](mailto:Fkoch@sfwater.com)>

**Sent:** Friday, November 4, 2016 12:46 PM

**To:** Fly, Lora B CIV NAVFAC MIDLANT, IPTNORTH; [richard.mach@navy.mil](mailto:richard.mach@navy.mil); Garbarini, Doug; Bill Merklin; bob schick; McCabe, Catherine; Ed Hannon ([Edward.Hannon@ngc.com](mailto:Edward.Hannon@ngc.com)); gary loesch ([loesch@h2m.com](mailto:loesch@h2m.com)); Jim Harrington; John Reinhart; [mboufis@bethpagewater.com](mailto:mboufis@bethpagewater.com); Mike Ryan; mike wolfert; Mannino, Pietro; [rhumann@h2m.com](mailto:rhumann@h2m.com); Ralph Google Contact; stan carey

**Cc:** Sadorra, Robert A CIV NAVFAC HQ, EV

**Subject:** RE: Meeting Conflict

All:

Not sure if we agreed on a date for the next meeting. If I may give an opinion, we all agreed on November 15th. Mr. Hannon has a 10 am Town Board meeting on that day. Perhaps we should just change the time to 2pm and the location to the Grumman site?

Francis J. Koch, P.E.  
Superintendent  
South Farmingdale Water District  
Office 516 249 3330  
Fax 516 249 9053

-----Original Message-----

From: Fly, Lora B CIV NAVFAC MIDLANT, IPTNORTH [<mailto:lora.fly@navy.mil>]

Sent: Thursday, November 03, 2016 9:31 AM

To: Mach, Richard CIV OASN (EI&E), ODASN (Environment) <[richard.mach@navy.mil](mailto:richard.mach@navy.mil)>; Garbarini, Doug <[Garbarini.Doug@epa.gov](mailto:Garbarini.Doug@epa.gov)>; Bill Merklin <[bmerklin@db-eng.com](mailto:bmerklin@db-eng.com)>; bob schick <[rxschick@gw.dec.state.ny.us](mailto:rxschick@gw.dec.state.ny.us)>; McCabe, Catherine <[McCabe.Catherine@epa.gov](mailto:McCabe.Catherine@epa.gov)>; Ed Hannon ([Edward.Hann@ngc.com](mailto:Edward.Hann@ngc.com)) <[Edward.Hannon@ngc.com](mailto:Edward.Hannon@ngc.com)>; Frank Koch <[Fkoch@sfwater.com](mailto:Fkoch@sfwater.com)>; gary loesch ([loesch@h2m.com](mailto:loesch@h2m.com)) <[loesch@h2m.com](mailto:loesch@h2m.com)>; Jim Harrington <[jbharrin@gw.dec.state.ny.us](mailto:jbharrin@gw.dec.state.ny.us)>; John Reinhart <[johnrei@tohmail.org](mailto:johnrei@tohmail.org)>; [mboufis@bethpagewater.com](mailto:mboufis@bethpagewater.com); Mike Ryan <[mjryan@gw.dec.state.ny.us](mailto:mjryan@gw.dec.state.ny.us)>; mike wolfert <[Mike.Wolfert@arcadis.com](mailto:Mike.Wolfert@arcadis.com)>; Mannino, Pietro <[Mannino.Pietro@epa.gov](mailto:Mannino.Pietro@epa.gov)>; [rhumann@h2m.com](mailto:rhumann@h2m.com); Ralph Google Contact <[sfwdralph@gmail.com](mailto:sfwdralph@gmail.com)>; stan carey <[scarey@massapequawater.com](mailto:scarey@massapequawater.com)>

Cc: Sadorra, Robert A CIV NAVFAC HQ, EV <[robert.sadorra@navy.mil](mailto:robert.sadorra@navy.mil)>

Subject: RE: Meeting Conflict

Doug,

I'm available on Tuesday, Dec 6. I am not available on Dec 16 or 20. I may be able to move things around on the 13th.

Lora

-----Original Message-----

From: Mach, Richard CIV OASN (EI&E), ODASN (Environment)

Sent: Wednesday, November 02, 2016 4:53 PM

To: Garbarini, Doug; Bill Merklin; bob schick; McCabe, Catherine; Ed Hannon ([Edward.Hannon@ngc.com](mailto:Edward.Hannon@ngc.com)); Fly, Lora B CIV NAVFAC MIDLANT, IPTNORTH; Frank Koch; gary loesch ([loesch@h2m.com](mailto:loesch@h2m.com)); Jim Harrington; John Reinhart; [mboufis@bethpagewater.com](mailto:mboufis@bethpagewater.com); Mike Ryan; mike wolfert; Mannino, Pietro; [rhumann@h2m.com](mailto:rhumann@h2m.com); [sfwdralph@gmail.com](mailto:sfwdralph@gmail.com); stan carey

Cc: Sadorra, Robert A CIV NAVFAC HQ, EV

Subject: RE: Meeting Conflict

Doug,

I am available Friday Dec 16 for sure. I am not available at all on the 6th. I may be able to move things around on the 13th or 20th. If Nov 15th remains the date, please ensure to keep Rob Sadorra in the loop as my stand in. I have copied him on this response.

VR,

Richard

-----Original Message-----

From: Garbarini, Doug [<mailto:Garbarini.Doug@epa.gov>]

Sent: Wednesday, November 02, 2016 10:49 AM

To: Bill Merklin; bob schick; McCabe, Catherine; Ed Hannon ([Edward.Hannon@ngc.com](mailto:Edward.Hannon@ngc.com)); Fly, Lora B CIV NAVFAC MIDLANT, IPTNORTH; Frank Koch; gary loesch ([loesch@h2m.com](mailto:loesch@h2m.com)); Jim Harrington; John Reinhart; [mboufis@bethpagewater.com](mailto:mboufis@bethpagewater.com); Mike Ryan; mike wolfert; Mannino, Pietro; [rhumann@h2m.com](mailto:rhumann@h2m.com); Mach, Richard CIV OASN (EI&E), ODASN (Environment); [sfwdralph@gmail.com](mailto:sfwdralph@gmail.com); stan carey

Subject: [Non-DoD Source] FW: Meeting Conflict

Hi

Unfortunately over the weekend we were informed that Northrop Grumman had a conflict come up that will prevent them from attending the Nov. 15 coordination meeting. Ed Hannon (see email below) indicates that he must attend a Town of Oyster Bay Town Board hearing to approve the RW 20 extraction well and associated easement agreement(s) at 10 AM on November 15; there are apparently no options to move the meeting to another date.

Because it would be best if Northrop Grumman could participate in our next coordination meeting, DEC and EPA took a first cut at comparing calendars for dates to reschedule the meeting and came up with the following dates:

Tuesday Dec 6

Tuesday Dec 13

Friday Dec 16

Tuesday Dec 20

On Monday, Bob Schick confirmed that Martin Brand ( a DEC Deputy Commissioner) was available on these dates; Bob also emailed DOH to check on their availability and is waiting to hear back from them.

I have corresponded with Stan Carey; Stan has indicated that he is not available on December 13 or December 20. So, at this point we are hoping that DOH and the rest of you are available on December 6 or 16. If we cannot reschedule to one of these dates we will take a closer look at calendars to see if meetings can't be juggled to open up additional dates. In the meantime, please continue to hold November 15 for a coordination meeting, because if we cannot reschedule the meeting for this calendar year we may want to go ahead and have the meeting on the 15th without Northrop Grumman.

Thanks for your patience.

Doug

From: Hannon, ED (AS) [<mailto:Edward.Hannon@ngc.com>]  
Sent: Monday, October 31, 2016 11:14 AM  
To: Garbarini, Doug <[Garbarini.Doug@epa.gov](mailto:Garbarini.Doug@epa.gov)>; Mannino, Pietro <[Mannino.Pietro@epa.gov](mailto:Mannino.Pietro@epa.gov)>  
Cc: Harrington, Jim (DEC) <[jim.harrington@dec.ny.gov](mailto:jim.harrington@dec.ny.gov)>; Wolfert, Mike <[Mike.Wolfert@arcadis.com](mailto:Mike.Wolfert@arcadis.com)>; Schick, Robert (DEC) <[robert.schick@dec.ny.gov](mailto:robert.schick@dec.ny.gov)>; Ryan, Michael (DEC) <[michael.ryan@dec.ny.gov](mailto:michael.ryan@dec.ny.gov)>  
Subject: RE: Meeting Conflict

Attachments:

- Letter from NYSDEC Commissioner Seggos dated March 17, 2016.
- Northrop Grumman OU3 RW 21 Remedial design Work Plan, June 2016

Doug / Peter

As you are aware at the direction of NYSDEC Commissioner Seggos Northrop Grumman is conducting the OU3 Off-site Ground Water (RW 21 Area) remediation work plan to an "expedited remediation schedule".

The RW 21 Area Work Plan calls for installing three extraction wells (RW 20, 21 & 22) , three to four vertical profile borings (VP13, 14, 15 16), below ground installation of the interconnecting pipe lines, pumps and controls, conduct an engineering assessment of the exist Arthur Ave recharge basin and potentially construct a second recharge basin as well as construction of a new dedicated

treatment facilities and effluent discharge pipe, all as soon as possible.

All construction work is being conducted on Town of Oyster Bay property and requires Town Board approval. To date NG has received the Town of Oyster Bay's approval for the installation of four VPBs and two extractions wells (RW 21 & 22). However, three residents have objected to the installation of the RW 20 extraction well and associated pipe in the street on which they live. As a result, the Town has tabled the RW 20 permit application four times since July in Town Board Hearings and has changed the procedures for granting NG an easement agreement to construct the remainder of the treatment system.

The Town Board hearing to approve the RW 20 well and the easement agreement(s) is scheduled for 10 AM Tuesday November 15, 2016. Therefore, as the Project Manager I must attend this Board Hearing along with our design and construction contractors to support this procedure. Unfortunately there are no options to move this Town Board Hearing to another date.

For the reason that I just briefly summarized above I was hoping the EPA, DEC, DOH and other attendees could reschedule this quarterly meeting. Otherwise NG will not be able to attend.

Thank You

Ed Hannon

Northrop Grumman

516-575-2333

From: Garbarini, Doug [mailto:Garbarini.Doug@epa.gov <<mailto:Garbarini.Doug@epa.gov>> ]  
Sent: Monday, October 31, 2016 9:43 AM  
To: Hannon, ED (AS); Mannino, Pietro  
Cc: Harrington, Jim (DEC); Wolfert, Mike; Schick, Robert (DEC); Ryan, Michael (DEC)  
Subject: EXT :RE: Meeting Conflict

Hi Ed

This is unfortunate as all the other groups can send representatives to the meeting and if we try to reschedule it will definitely take us into December (the dates you have offered were not workable when we identified November 15th as a date that DEC/DOH/EPA could attend). Trying to schedule a meeting in December that will also require senior management from DOH will be difficult.

Can you let us know the nature of the conflict? Are you sure you can't have anyone else handle this for you?

From: Hannon, ED (AS) [<mailto:Edward.Hannon@ngc.com>]

Sent: Friday, October 28, 2016 10:00 PM

To: Garbarini, Doug <[Garbarini.Doug@epa.gov](mailto:Garbarini.Doug@epa.gov)>; Mannino, Pietro <[Mannino.Pietro@epa.gov](mailto:Mannino.Pietro@epa.gov)>

Cc: Harrington, Jim (DEC) <[jim.harrington@dec.ny.gov](mailto:jim.harrington@dec.ny.gov)>; Wolfert, Mike <[Mike.Wolfert@arcadis.com](mailto:Mike.Wolfert@arcadis.com)>

Subject: Meeting Conflict

Doug / Peter /Jim

Mike Wolfert and myself have a conflict with another meeting that we do not have the ability to have reschedule.

If you are able to reschedule we can be available on any of the following dates: November 9,17, 21,22.

Contact me if you require any additional information.

Thank You

Ed

516-575-2333